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**PATENT, TRADEMARK  
AND COPYRIGHT LAW**  
FACSIMILE: (703) 684-1157

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Attorney Docket No. NIT-382



**24956**

PATENT TRADEMARK OFFICE

To: Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir: Transmitted herewith for filing is the patent application of:

Inventor: M. TAKAHASHI et al (see attached)

For:  
**OPTICAL WAVEGUIDE AND THEIR APPLICATION OF THE  
OPTICAL COMMUNICATION SYSTEM**

Enclosed are:



14 Sheets of Drawings



This application is being filed without an executed Declaration.



Priority is claimed from Japanese Application No. 2003-061176  
filed March 7, 2003 ☒ A certified copy is attached herewith.



Copies of the disclosure documents listed on the attached PTO 1449 form and  
☒ discussed in the specification or ☒ attached Information Disclosure Statement.



A verified statement to establish small entity status under 37 CFR 1.9 and 1.27.



Specification: Abstract X, Description 28 pages; and 20 claim(s).



Preliminary Amendment.



Executed Declaration.

The filing fee is calculated as shown below:

Small Entity

Large Entity

For:	No. Filed	No. Extra
Basic Fee		
Total Claims	20 - 20 =	* 0
Indep Claims	1 - 3 =	* 0
<input type="checkbox"/> Multiple Dependent Claim (s)		

\* If difference is less than zero  
then enter '0' in second column

Rate	Fee
	\$ 370
x 9	\$
x 42	\$
+ 140	\$
Total	\$

OR

Rate	Fee
	\$ 750
x 18	\$ 0
x 84	\$ 0
+ 280	\$ 0
Total	\$ 750



A check in the amount of \$ 750.00 is enclosed for the filing fee.



The Commissioner is hereby authorized to charge any additional fees that may be required to  
Deposit Account No. 50-1417.

Respectfully Submitted,

By:

John R. Mattingly

Registration No. 30,292